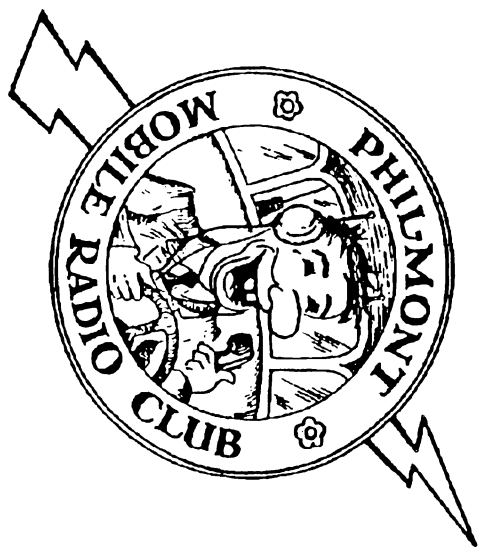


FIRST CLASS MAIL

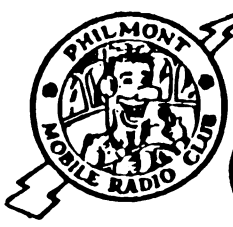


A Publication of
 THE PHIL-MONT MOBILE RADIO CLUB, INC.
 2113 EDGEHILL DRIVE, FURLONG, PA 18925

VIRGINIA J. HARTING
 2113 EDGEHILL DRIVE
 FURLONG PA 18925

THE BLURB

PHILMONT MOBILE RADIO CLUB
 W3RQZ-W3TKQ-W3QV

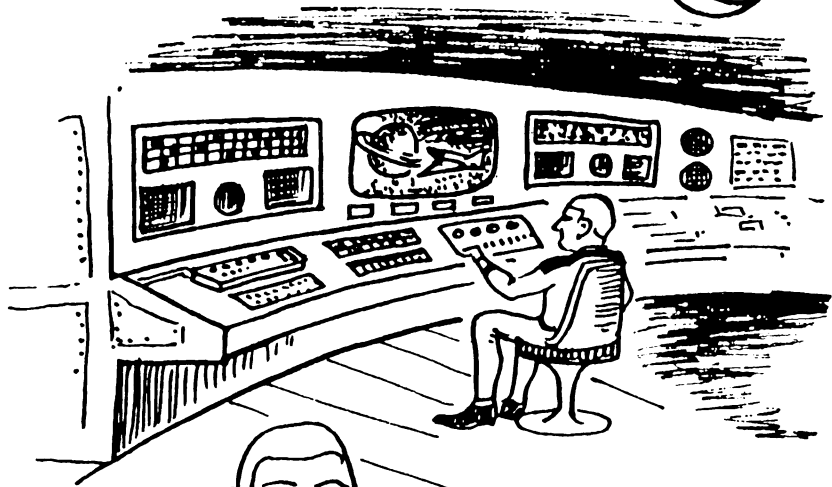


BLURB

September 1990



The new **TKQ**



Welcome
 TO PHILMONT'S
 CENTRAL CONTROL
 AND
 UNIVERSAL STATION

is published monthly by, and for, the members of The PHIL-MONT MOBILE RADIO CLUB, INC. whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$6.50 addressed to the Treasurer. The club meets at 8 PM on the first non-holiday Monday of every month at The Franklin Institute, 20th Street and the Benjamin Franklin Parkway, Philadelphia. Use the Winter Street (north side) entrance.

ALL VISITORS ARE WELCOME!

Amateur Radio License Examinations - every meeting night at 6:30 PM-SHARP!

CLUB INFORMATION

- 24 Hour Information Number at W3TKQ -(215) 448-1139

Repeater frequency: 147.03 MHz - Simplex frequency: 147.51 MHz

Mailing Address: P.O. Box 88, Abington, PA 19001

STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS

W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG

W3TKQ Operators: WA3AAL, Fred; N3ABS, John; K3TEF, Frank; KA3PJC, Jack; W3PWG, Rollie

ALL LICENSED AMATEURS ARE WELCOME TO OPERATE W3TKQ.

OFFICERS

PRESIDENT: W3UY, Larry Clifford, 951 Surrey Drive, Blue Bell, PA 19422

VICE PRESIDENT: N3FVI, Bill Popovic, 343 Lemonte Street, Philadelphia, PA 19103

SECRETARY: N3GLH, Brad Swanson, 517 Cresheim Valley Road, Wyndmoor, PA 19118

TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095

DIRECTORS

W3BBB (90); K3GBA (A); AK2I (91); W3IIM (A); W3IIN (A); K3KUD (91); W3LKI (90)

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Awards: -----
BLURB: W3IIM
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Directory: WB3KOJ
DX: WA3AUN

Membership: W3IIN
MO-COM 5: N3DHI
Net Control: WB3CMM
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Program: N3FVI
Publicity: -----
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Repeater: W3BBB
Special Events: N3FVI
TVI: WA3AUN
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W3TKQ: W3PWG
Welcome: W3VVS

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N3DHI, K3GBA, WB3KOJ

Assistant Editor/Typist: W3IIN

DEADLINE: To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting!

NET SCHEDULE

SUNDAY	09:30	147.030	MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.993	MHz SSB	"10-ON-10 NET"
	10:20	3.993	MHz SSB	75 METER NET
TUESDAY	20:00	147.030	MHz FM	CW PRACTICE NET (SEE CALENDAR)



APPLE BYTES

Don Gordon, WB3KOJ

SEPTEMBER BIRTHDAYS

03 Marian Fox - WA3YJR

06 Leonard N. Kovnat - WB3JUA

08 Allen F. Bubeck - K3GNM

13 Marge Concordia (XYL WB3KAC)

15 Robert K. Freer - W3YLT

20 William Isherwood - KA2VTR

John H. Sims, Sr. - N3HML

John Spratt - N3ALW

21 Harold Fox - W3AA

23 Shelly Klein - K3QNX (XYL W3WXC)

26 Paul Lane Ives, Jr. - W3SMA

28 Millie Rulli (XYL WB2WOM)

HELP PHIL-MONT

Are you planning to join ARRL or renew your current membership?

Help Phil-Mont by joining or renewing through the club.

Contact KB3IV for the details.

A few **PHIL-MONT 'T' Shirts**
still available for \$5.25 in limited sizes.

Contact W3IIN

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**AMATEUR LICENSE EXAMS HELD ON THE FIRST
NON-HOLIDAY**

MONDAY OF EVERY MONTH

At

THE FRANKLIN INSTITUTE

For Information Call ND3Q at

(215) 482-0386 or 879-0505

Accessible by the handicapped.

Truths

1. Be optimistic about next week.
2. Said loud enough, things will have to get better.
3. Having enough faith will insure anything will work.
4. Never stop to plan if you can keep busy making progress.
5. Just a few more people will solve any problem.
6. Training is good if you don't have anything better to do.
7. If you can generalize well enough, you can always blame the other fellow.
8. Bigger and faster is better.
9. When you make a change, surprise the other fellow with it. This leaves him speechless, and silence indicates agreement.
10. The world of theoretical progress always spins faster than the real world.
11. Never let lack of preparation hinder the implementation of a change.
12. A high level staff meeting will always make the big boss feel better.
13. Plead ignorance, and the problem will go away or be excused.
14. Given enough hardware, you can hide inefficiency.

tnx Warminster FEEDBACK

REPEATINGS

Our new (old) member, **K3JJQ**, already has a Net Control script courtesy of **Jake**. (Wonder what ever happened to our Net Control chairman?) By the way Wally, congrats on the new grandbaby... **Brad** loves **key-lime pie**. Yum, was it good. 'Bet he won't miss the next Mid-Month meeting!... Pleasant surprise to see **'GQD** at Mid-Month. Guess he needed to limber-up the cycle, or could it have been the **key-lime pie**?... Amazing what a phone-call will do - even got **'PXY** to attend MM! - even liked the old-time Ginger Beer (available at some Genuardi's stores, and at **'QLY**'s)... **Arnie**'s on vacation again - the new insurance laws can't be hurting too badly... **W3UQ** is back in Johns Hopkins for about a week - maintenance visit... 'Wonder how many folks don't realize that the club's name is h-y-p-h-e-n-a-t-e-d?... We're looking for ideas for a new **'TKQ** logo - suitable for QSLing and signage at the Institute. Ideas to the editor, please.

The PREZ SEZ

Larry Clifford, W3UY

There is a place for you

A lot of birthday, wedding and other presents must be purchased and delivered, yet this year, before we start thinking about the Christmas holiday presents. Yet, the big event, in the early part of December, must NOW be planned. I'm talking about next year's Phil-Mont officers and directors.

The nominating committee of K3KUD, N3GLU, WB3KAC, and W3RM, has already had a meeting to discuss the proposed slate, and how to dig out those who would be interested in appearing on the slate. Too early in the year you might think? To the contrary! To put together a slate does take time.

We have a hundred and thirty five or so members in our club. Each year we elect four officers and three directors for a total of seven persons. This is about five percent of the membership, but the task of getting 14 members (at least two candidates for each position) is probably a harder job than being president, or handling any of the other administrative jobs.

Each of us pay our annual dues. It would seem to me that more than just five or so persons would care about how the club's money is spent. I am sure that some, now reading this article, have said, in so many words, that Phil-Mont is not spending its income wisely. If such is the case, why not run for an office, and get your ideas and influence out where they can do the most good. If you are willing to pay dues and enjoy the club, you should be willing to participate in the club's administration, thus insuring judicial use of the club's assets.

The jobs are not tough. If you are president, or hold some other administrative post, and some member is not satisfied with the way you are performing your duties, they,

more than likely, will not willingly take over the job for you. You are asked only to do the job as you think it should be done. No more, no less. This is doing the job to the best of your ability, that is all that is asked.

Some may allege they do not have the time. If you come to most of the meetings now, how much additional time will you have to give? You know how you want the job done, therefore you will determine how much time you will spend. No one is going to keep a time-log. You will just want to do the job as best you can.

Finally if you are afraid of losing the election, it is still fun watching the ebb and flow of the ballots being counted. I have lost elections, not only at Phil-Mont, but at other clubs and commissions. It is no disgrace, and a day or two later members will be hard-pressed to recall just who ran. There are no scars from a lost election.

Now then, we are looking for 14 or more candidates to run for the various elective offices. That is about one out of ten members now in the club. Should the nominating committee count down every tenth member, and say that person is up for election? Well, that may be one way, but probably not the best. The better way is, for any one of you who would like to take your turn in giving your talents and know-how, to come forward.

Why not call Bob, K3KUD, or any other member of the nominating committee, or, yes even me, and let us know that you would like to take a shot at getting elected to the club's administrative staff, and putting your mark on the club. You can do it and the club will be better for your efforts.

So, if you have the slightest notion to help run the club, please let us know. There is a place for you.

* UPDATE *

- Sept 10 General Meeting
- Sept 19 Directors' Meeting
at W3HFY's
- Oct 1 General Meeting
- Oct 17 Directors' Meeting at
KA3AMO & N3FTC's
- Nov 5 General Meeting
- Nov 14 Directors' Meeting at
your home?

HAM RADIO FLEA MARKET

Every Saturday 09:00 to 16:00
Indoor Space Available
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Route 248, North of Allentown, PA
Info: 215-266-9291 or 767-5833
Talk-in: 146.745 146.52

HAMFESTS

- Sept 9 GAITHERSBURG, MD
- Sept 16 PENNSAUKEN, NJ
South Jersey RA
- Sept 22-23 YORK, PA
- Oct 21 BENSLEM, PA
Penn Wireless Association
- Oct 28 SELLERSVILLE, PA
RF Hill ARC
- Nov 11 BELMAR, NJ
Shore Area Ham & Computer Fest
(Allaire Airport)

CLUB INFORMATION

24 Hour Information Number at W3TKQ
(215) 448-1139

V.E. TEST LOCATIONS

from EPA FEEDLINE & others

Confirm all information, in advance, with the contact person. Licensed applicants must bring their original license and one photocopy of it. All applicants, including children, must present positive ID. Also bring the original of any Certificate of Successful Completion needed to prove current status. The ARRL VEC's 1990 test fee is \$4.95; there is no charge for a Novice test.

BELMAWR, NJ
Monthly, 3rd Thursday
Bill Helmatag
(609) 546-7710

CENTER CITY
Monthly, 1st Monday
Dusty Rhoads, ND3Q
(215) 482-0386
(215) 879-0505

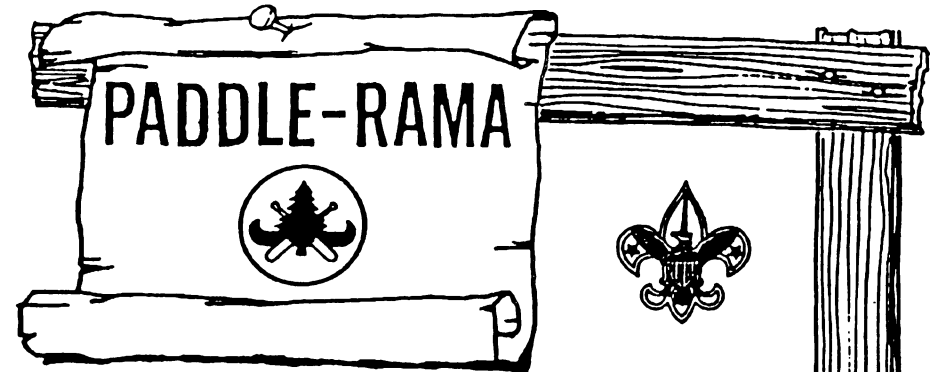
PERKASIE
Monthly, 3rd Monday
Warren Erdman K3ZXQ
(215) 679-5764

BRYN MAWR
Bob Haase, W3SA
(215) 293-1919

LEVITTOWN
Dave Heller, K3TX
(215) 946-1040

HATBORO
Tom Michaud, WA3TQJ
(215) 343-3494

TALK IT UP!



THIS IS YOUR INVITATION TO FUN AND ADVENTURE ON THE DELAWARE RIVER. JOIN US AND LEARN TO ENJOY THE BEAUTY OF RIVER CRUISING AND THE THRILL AND CHALLENGE OF WHITE WATER. ALL BOY SCOUTS, GIRL SCOUTS AND EXPLORERS WHO MEET MINIMUM REQUIREMENTS ARE ELIGIBLE TO PARTICIPATE. LEADERS ARE ALSO WELCOME TO PARTICIPATE. ON JUNE 21 22 23, 1991 WE WILL TEACH THE CANOEING MERIT BADGE AND THE BASICS OF WHITE WATER CANOEING. AFTER COMPLETING THE WHITEWATER TRAINING, YOU WILL BE ABLE TO COMPETE IN THE 50 MILE PADDLE-RAMA RELAY RACE ON JULY 20-21.

1991



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BUCKS COUNTY COUNCIL, BSA
SCOUT WAY AT GREEN STREET
DOYLESTOWN, PA., 18901

COME AND JOIN US FOR 2 FUN,
EXCITING, AND CHALLENGING
WEEKENDS!



AT&T, 2 BELLS PLAN TO UPGRADE CELLULAR SYSTEMS

NEW YORK - American Telephone & Telegraph Co., and two regional Bell companies, plan to develop a radio technology that could significantly boost the capacity of cellular radio systems, the companies said.

AT&T has signed an agreement with Qualcomm Inc., a San Diego company that pioneered the Code Division Multiple Access, or CDMA, technology for use in cellular radio systems. Nynex Corp., and Chicago-based Ameritech, plan to install the systems in their networks.

The plan, by three of the industry's biggest players to develop and use the technology, is significant, because their approval could help make it a standard for the cellular industry and so-called personal communications services of the future.

Personal communications service networks, as envisioned by the telecommunications industry, will allow millions of customers to carry lightweight, pocket-sized phones by the end of this century. But the networks will require enormous transmission capacity - many times greater than conventional cellular telephone networks. In several major cities, including New York and Los Angeles, these cellular networks are suffering increasingly from capacity shortages.

CDMA systems are said to offer up to 20 times more call-handling capacity than the conventional cellular systems. The CDMA systems assign a special electronic code to each call signal, allowing more calls to occupy the same space and be spread over an entire frequency band. By contrast, the current standard for future digital systems, time-division multiple access, or TDMA, offers three-to-seven times the capacity of existing systems, and works by placing each call signal into a time slot, and transmitting it within a single frequency.

"We are launching the next-generation digital cellular technology," said Allen Salmasi, vice president of planning and development at Qualcomm. "Basically these agreements will put us on the map as a major supplier of CDMA equipment for the cellular industry." AT&T declined to comment on the agreement.

Nynex Mobile Communications Co., which has the more ambitious plan of the two regional phone companies, said that late next year in New York City it will roll out the nation's first wireless personal telephone service. The company plans to start out small with one new switch in Manhattan. Recently, it announced a multimillion-dollar agreement to buy the cellular switching gear from AT&T for an undisclosed amount.

Nynex also said it agreed to buy \$3 million of digital telephone handsets from Qualcomm to sell to its customers. The phones are expected to be smaller, lighter and cheaper than most existing cellular phones.

Nynex Mobile, which will use frequencies already assigned to it for cellular telephone transmissions, conducted a trial of the new technology from February to June, and was enthusiastic.

"For densely populated areas like New York, personal telephone service will offer consumers the most flexible, portable and practical personal communications system available," said Robert Keller, Nynex Mobile's chief operating officer. "When PTS is introduced next year, a telephone number will no longer represent a place, but rather, a person."

Like conventional cellular service, personal telephone service will connect with the phone system through radio antennae. However, the antennae will be smaller.

tx The WALL STREET JOURNAL

MINUTES

AUGUST GENERAL MEETING

The August General meeting was called to order by N3FVI at 20:25 hours. There were 22 members and 5 visitors attending. The visitors were KA3WHZ, KA3RRG, WA3BXW, N3IEI and Vikye Hopkinson.

KB3IV read the Treasurer's Report.

Membership - W3IIN reported that George Starks had been voted-in at the past Directors meeting.

W3TKQ - AK2I gave a report on his efforts to gather new equipment for the club station. He also asked that we, the members of Phil-Mont, help by possibly leaving equipment or monetary sums to Phil-Mont in our wills.

Mo-Com - N3DHI reported that Abing-

ton Township should be receiving money from the state soon.

Special Events - N3FVI had sign-up sheets available for anyone interested in the MS-150 Bike Tour. If you can help-out contact Bill.

Net Control - We still need a someone for the Sunday morning net.

N3FVI introduced our guest speaker Bill Ferguson, WA3BXW, who talked about his incredible system, and showed a video that was taken at four of his sites. This was another "nobody left the room" presentation.

The meeting adjourned at 22:15.

Respectfully submitted; Brad Swanson, N3GLH, Secretary

MINUTES

AUGUST DIRECTORS' MEETING

The August mid-month was held at the home of W3IIN and W3IIM *[note the female alphabetization -Ed]* on August 15, 1990. Present were KB3IV, W3IIN, W3IIM, W3LKI, W3GBA, N3DHI, N3GLU, W3PXY and W3GQD. The meeting was called to order at 20:18 hours by KB3IV.

KB3IV read the treasurer's report.

Membership - W3IIN listed 3 published applications that were to be voted on. N3IEI, K3JJO and KA3VLI. A motion was made and passed.

Nominating committee - KB3IV reported that the nominating committee consisting of K3KUD, W3RM, WB3KAC, N3GLU, would like input for the election of officers for next year. Please let them know your thoughts, either in writing, verbally, telephone or any other communications method you prefer.

Mo-Com - N3DHI reported that Abington has received the money from the state, but is taking their sweet old time drawing up the legal documents. He will attempt to light-a-fire to get things rolling. Bucks County is also still showing interest in the Bagel Buggy.

Net Control - Yes we still need net controls. Come on Phil-Mont, somebody has to get out of bed Sunday mornings!

Repeater - N3DHI reported that the UHF side of the repeater has a glitch. The uncanny repeater committee is busily working on the problem, and will have it solved in no time. The Autopatch is working well, and, thus far, the Board does not feel its privilege has been abused. So use it, but don't abuse it.

Old Timers' Night - W3IIN reported that this year's event will probably again be

a wine and cheese night, which has been very successful in the past.

VE Program - KB3IV reported that the testing program is not only running extremely smoothly, but those who run the program deserve a great amount of credit.

W3TKQ - AK2I is still plugging away at promoting W3TKQ and Amateur radio. It was also suggested that some of the royalties from Mo-Com be used to prove the club's determination to improve W3TKQ and Amateur Radio.

New Business - The allocation of a new simplex frequency was discussed.

The meeting was adjourned at 9:42 PM and *Key-Lime Pie* was enjoyed by all, except Brad.

Respectfully submitted;
Brad Swanson, N3GLH Secretary
Vibeke L. Hopkinson, Guest Secretary



ELECTION/SELECTION

Bob Schmilewske, K3KUD

As we enter the Fall season, one of the coming events, on the Phil-Mont calendar, is the election of officers. While the actual elections are not until December, the Nominating Committee, in order to try to put together the best possible slate, is asking for input from the entire membership.

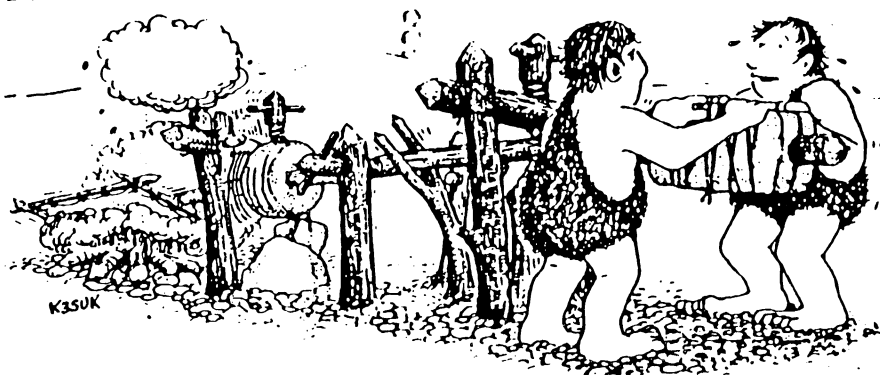
The committee, consisting of Sharon, N3GLU; Mike, WB3KAC; Dick, W3RM, and me, as its chairman, wants to hear from anyone who is interested in running for office, or who can suggest someone they feel should be considered. Phil-Mont is your club. Its officers run the club for you. Be sure that we don't overlook any prospective candidate. Call, write, talk directly to us, but, by whatever means, help us!

Sam's CORNER

THE SECRET IS OUT....
BETSY ROSS JINNY-IIN
IS DESIGNING
THE NEW OUTFIT
TO BE WORN BY
T K Q
OPERATORS



CODE PRACTICE NET RESUMES ON SEPTEMBER 18.



"How about you taking the 'dah' side for awhile?"

tnx Sussex ARC

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PHILADELPHIA 3, PENNSYLVANIA

W3TKQ



Fred S. Shaw, W3ADV
Trustee

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THE

W

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REPORT

by
Jake Kovalchek,
AK2I

Rolland Madera, W3PWG

How many of us can boast of having an item we built, on display at the Franklin Institute? How many of us can lay claim to eight children and eighteen grandchildren, or of having served their country, not just in one war... but two wars! Well, we have such a man in our club who has many more talents, and I'd like to tell you about him... our own friend, and club member, Rolland Madara, better known as W3PWG, a call he's had since 1948 when he first became a ham.

Rollie built that crystal set, on display, back in the year 1919, when just nine years old. Radio station KDKA in Pittsburgh, and WWJ in Detroit, were just beginning to broadcast, and the first greatest popular event, the broadcast of the Harding-Cox election returns, was about to happen. Wow!.. what exciting times these must have been.

The year was 1929. Rolland was 19 years old, and anxious to see his world begin to unfold. I do not know the impact, if any, the "Crash of 29" had on Rolland, but he decided to join the Navy. Ten years later, while still in the service, Rolland married, taught AC Current Theory, Radio Compass, and Radio Theory in Illinois, and in Texas, and was able to learn Spanish fluently. 1948 was the year he got his first call sign as an amateur radio operator (W3PWG), a call he would change to W5RFZ while in Texas, and another, W9NQF while in Illinois. He was later to get his old call back when arriving back in the Philadelphia area.

In 1953 in Philadelphia, while looking for a house for his family, and working 10 meter mobile on 29.493 MHz AM, he heard of the Phil-Mont Mobile Radio Club and the call signs of W3QQH and W3VVS. Thus began his long and fruitful relationship with Phil-Mont. But it would take another nine years before he became synonymous with the Franklin Institute, for in 1962, he joined them and immediately became familiar with the Haverford Emergency Radio Group which had set up an amateur radio station right in the Institute.

Today Rolland enjoys being the Trustee of W3TKQ, and his job at the Institute where he continues to cast his spell over his "children", and some big kids as well. See him in action one of these days and you'll see what I mean when he reveals the secrets of "Electricity".

Rolland celebrated his 80th birthday recently (August 5), so take the time to call W3TKQ, during the day, and wish him well. A truly fascinating man and a credit to the amateur ranks.

from the desk of
the world's greatest restorer of National radio equipment,
H. PAUL BOHLANDER

To the Editor:

Regarding your comment after the August 'Prez Sez' on page 3:

The term "Morse Code" is named after the American inventor Samuel F.B. Morse, and applies to either of two codes used for transmitting messages by audible or visual signals.

1. American Morse Code is used primarily for land telegraph lines in the U.S. and Canada, and is sometimes referred to as "Railroad Morse".

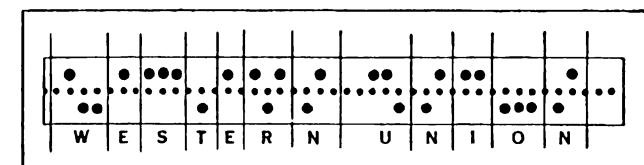
2. International Morse Code, also called the "Continental Code" and the "Universal Code" is used for radio telegraphy worldwide, and for land-wire telegraphy in countries other than the U.S. and Canada.

W3VVS

Editor's note: Graphics courtesy of The Encyclopaedia Britannica.

AMERICAN		INTERNATIONAL	
USED ON LAND LINES IN THE UNITED STATES AND CANADA, ETC.		USED ON LAND LINES IN EUROPE AND FOREIGN COUNTRIES, AND IN WIRELESS.	
		USED ON OCEAN CABLES	
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B	• — • — • —	B	• — • — • —
C	• — • — • —	C	• — • — • —
D	• — • — • —	D	• — • — • —
E	• —	E	• —
F	• — • — • —	F	• — • — • —
G	• — • — • —	G	• — • — • —
H	• — • — • —	H	• — • — • —
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K	• — • — • —	K	• — • — • —
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COMMA	• — • — • —	COMMA	• — • — • —
INTERROGATION	• — • — • —	INTERROGATION	• — • — • —
COLON	• — • — • —	COLON	• — • — • —
SEMI-COLON	• — • — • —	SEMI-COLON	• — • — • —
QUOTATION MARKS	• — • — • —	QUOTATION MARKS	• — • — • —

ADAPTATIONS OF THE MORSE CODE



PERFORATED CABLE SENDING TAPE



AMATEUR RADIO NEWS RELEASE

For Immediate Release August 9, 1990

The FOUNDATION FOR AMATEUR RADIO, INC. is pleased to announce the 1990 winners for the thirty-three scholarships which it administers.

John W. Gore Memorial Scholarship - \$1000
Stuart Rosner, WU4L - Vienna, VA

Richard G. Chichester Memorial Scholarship - \$900
Michael King, KA8NAJ - Canton, OH

Edwin S. Van Deusen Memorial Scholarship - \$750
Martin Gruen, KA2VLD - Runnemede, NJ

QCWA Memorial Scholarships - \$750 each
William T. Baggett, AA5DF - New Braunfels, TX
Thomas W. Brown, KA2UGQ - Berkeley Heights, NJ
Victoria L. Gruen, KA2VHR - Runnemede, NJ
Paul W. Hoffman, NK3M - Sinking Spring, PA

QCWA Leo Meyerson Family Living Scholarship - \$750
Robert M. Popella, KA3HIE - Tidioute, PA

QCWA Robert S. Cresap Memorial Scholarship - \$750
Jason G. Lovett, N1EJD - Kennebunk, ME

QCWA Cresson F. Donbar Scholarship - \$750
Heather L. Ludtke, KD0RU - Glenwood Springs, CO

Radio Club of America Scholarships - \$500
Douglas Clapgood, KA2KWB - Mt. Morris, NY
Timothy Potocki, N3CZV - Bradfordwoods, PA
Jonathan Vidal, NY3Z - Erie, PA

Edmund B. Redington Memorial Scholarship - \$500
Richard T. De La Hunt, KA0LEE - Park Rapids, MN

Young Ladies' Radio League Scholarship - \$1200
Melissa Benish, N3FAC - Pittston, PA

Amateur Radio News Service Scholarships - \$600 each
Jennifer Doerrie, KA5WMJ - Booker, TX
Paul C. Yoder, KA3MUD - Bridgeport, PA

Columbia Amateur Radio Association Scholarship - \$1000
Kurt W. Rupprecht, N3EOI - Salisbury, MD

Baltimore Amateur Radio Club Scholarships - \$1000 each
Barry Bell, KA3PRE - Reisterstown, MD
Andrew S. Faiola, N3GLA - Silver Spring, MD
David S. Katz, N3DKV - Bowie, MD

Dade Radio Club Tropical Hamboree Scholarships - \$1000 each
Aaron A. Algieri, KC4NGA - Gainesville, FL
Nathaniel Tarbox, KC4AOI - Jacksonville Beach, FL

Rose Ellen Bills Memorial Scholarship - \$2000
Douglas M. Benish, N3CXB - Pittston, PA

Victor C. Clark Memorial Scholarship - \$1000
Sponsored by the Vienna Wireless Society
William T. Free, KC3YO - Fairfax, VA

Frederick Amateur Radio Club Scholarship - \$1000
Amos D. Faux-Burhans, KS3O - Thurmont, MD

10-10 International Net Scholarships - \$750 each
Mark Horwath, KA1SPU - Derry, NH
Nathan S. Willingham, KA0UFO - Bevier, MO

WARAC Memorial Scholarships - \$500 each
Sponsored by the West Allis Radio Amateur Club
Douglas Kleemann, KA9LWN - Shawano, WI
Chad Kurszewski, WE9V - Greenfield, WI
Martin Van Der Burgt, KA9MSR - Kaukauna, WI

Kevin Barry Perdue Memorial Scholarship - \$1000
Sponsored by Kay (KC3LM) and Carter (KD3AO) Craigie
Matthew M. Harbur, KB2GHW - Woodstock, NY

Karl R. Medrow Memorial Scholarship - \$750
Sponsored by the Goddard Amateur Radio Club
Lesley D. Walker, N4FTJ - Cullman, AL

These scholarships were open to all Radio Amateurs meeting the qualifications and residence requirements of the various sponsors. The FOUNDATION is a nonprofit organization representing fifty clubs in Maryland, the District of Columbia and Northern Virginia. It is devoted exclusively to the scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Announcement of the 1991 awards will appear in the April or May issues of the major Amateur Radio publications.

FAR Scholarships, 6903 Rhode Island Avenue, College Park, MD 20740

64th MONTHLY VE SESSION STATISTICS AUGUST

18 participants pass 15 elements
5 new amateurs - 6 upgrades

Name	Call	From	To
Robert Buzinski	KA3VJR	Novice	Technician
Randall Kehrt	KA3SED	General	Advanced
Peter Lunn, Sr.	KA3TWC	Novice	Technician
David Montalvo			Novice
N. Noorchashm			Novice
Ben Persofsky			Novice
Jacob Persofsky	KA3WBQ	Novice	Technician
Larry Persofsky			Technician
Michael Pollard			Technician
Greg Swift	KB6UMV	Novice	Technician
Janet Vann	KA3VTQ	Novice	Technician

Congratulations to all (especially the Persofsky family),
and to the members of our VE team:

ND3Q	Dusty Rhoads, Chairman
N3FTZ	Ted Lada
W3RM	Dick Moll
W3VVS	H. Paul Bohlander
NS3Z	Bob Forrester

PUBLICIZE AMATEUR RADIO

September 15, 1990, is Amateur Radio Public Awareness Day. Be sure to take advantage of this opportunity to contact media, post notices, set up displays or exhibits, and operate from a conspicuous public place. Remember, not everyone can be recruited to become a ham, but the more the average person knows about the valuable service amateurs provide, the better off we'll be when we need public support.

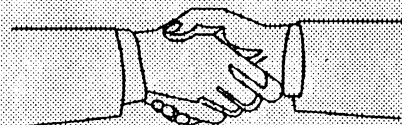
tnx QST

BATTERY WARNING

A recent Safety-gram warns of the hazards of mixing alkaline and carbon-zinc batteries when connecting several in parallel. This combination creates a pressure explosion great enough to split and blow the end off an explosion-proof flashlight.

The Everready Alkaline Energizer has a warning label to this effect.

tnx ARRL UPDATE & Cherryville's UP-LINK



NEW MEMBER APPLICATIONS

CALL: **N3GEN**
 NAME: James Rorick
 HANDLE: Jim
 CLASS: Technician
 ADDRESS: 202 E. 10th Ave
 Conshohocken, PA
 19428
 HOME PHONE: (215) 825-7177
 OCCUPATION: Automobile Transporter

CALL: **NS3Z**
 NAME: Robert Forrester
 HANDLE: Bob
 CLASS: Extra
 ADDRESS: 355 E. Loudon St.
 Philadelphia, PA
 19120
 HOME PHONE: (215) 324-3791
 OCCUPATION: Computer Programmer
 HELPING WITH: VE Testing

EMERGENCY HOTLINE HELPS MOTORISTS WITH CELLULAR PHONES

HARRISBURG, Penn.— A toll-free emergency hotline for motorists with cellular phones is now in service on the 470-mile Pennsylvania Turnpike, except between the Allegheny and Blue Mountain Tunnels.

Motorists can utilize the hotline by calling *11.

tnx HIGHWAYS & W3VVS

The perversity of nature is nowhere better demonstrated than by the fact that, when exposed to the same atmosphere, bread becomes hard while crackers become soft.

tnx Warminster FEEDBACK

MEXICO RESTRICTS TOURIST VEHICULAR TRAVEL

MEXICO CITY — In an effort to reduce air pollution in Mexico City, Mexican authorities have initiated a plan to restrict tourist vehicular traffic. The restriction applies to private tourist vehicles, including automobiles with non-Mexican registration.

The restriction is based on the last digit of the license plate. There will be no driving of vehicles with:

MONDAY - License plates with final digits of 5 or 6.
 TUESDAY - License plates with final digits of 7 or 8.
 WEDNESDAY - License plates with final digits of 3 or 4.
 THURSDAY - License plates with final digits of 1 or 2.
 FRIDAY - License plates with final digits of 9 or 0
 SATURDAY
 and SUNDAY - All vehicles may drive.

Failure to comply is punishable by vehicle impoundment and a 300,000 peso (U.S. \$115) fine.

tnx HIGHWAYS & W3VVS

Editor's comment: Shades of things to come?

Agency to Propose A Security Standard For Computers by Fall

Bowing to political pressure, a Commerce Department agency said that by September it will propose a standard for computer security that experts say will be a boon for the high-tech industry.

John Lyons, director of the National Institute of Standards and Technology, the agency in charge of producing a standard, said Friday that work on a proposed standard should be completed "in a matter of a few weeks" and will be published "by the end of summer."

The standard should help the spread of electronic data communications by encouraging computer-network operators to install a single method of ensuring that documents sent via computer networks are authentic and haven't been altered. But because such an approach to security, called public-key cryptography, also provides a defense against computer snoops, it has prompted opposition from the National Security Agency, the nation's chief electronic spy.

Members of Congress, and officials in the computer industry, have complained about opposition from the NSA.

The NSA, one of the government's most secretive agencies, declines to say publicly why it fears such improvements in electronic communications. Mr. Lyons says the NSA's objections turn on national security concerns, but he wouldn't be specific.

RSA Data Security, Inc., a tiny concern in Redwood City, Calif., controls the most widely used approach to public-key cryptography. Experts say the federal government probably should adopt RSA Data's approach, since it is popular in Europe and catching on in the U.S.

But there are other alternatives. "Technically, it's an open question," said Willis Ware, a computer scientist at Rand Corp. who chairs a Commerce Department advisory committee on computer security.

Mr. Ware said that while RSA Data "has a corner on the marketplace," there may be weaknesses in the company's approach to security that are only known by the NSA.

tnx The WALL STREET JOURNAL

SHARE YOUR HAM KNOWLEDGE Ben Roeshman, W3LKI

Would you like to spend one evening or day a week, for approximately ten weeks, giving preclicensing instruction in preparation for testing to interested potential Hams?

The limited class size would be composed of teeners and seniors. The locations could be suburban high schools, possibly like Radnor, Lower Merion, Harriton and Conestoga High School.

While those are in the Western Suburbs, when you call, you could indicate your area of geographic preference, as well as evening or day of week you prefer. The financial pay scale will also be explained.

The timing now would be for scheduling in the spring of 1991. They are making plans now. You can indicate your interest, and have all your questions answered by calling:

Susan P. Church, Vice President,
 Main Line School Night
 215 687-0460 (office)
 215 647-9068 (home)

You could fill a need for instruction, and add to the ranks of this wonderful hobby.

SEPTEMBER

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
2 2M NCS AK2I 10M NCS ANYONE 75M NCS W3PWG	3 LABOR DAY	4 CODE PRACTICE NET <i>(not likely)</i>	5	6	7	1 <div style="text-align: right;">8</div>
9 2M NCS N3FTY 10M NCS ANYONE 75M NCS W3AOA <i>Gaithersburg Hamfest</i>	10 GENERAL MEETING & LICENSE EXAMS	11 CODE PRACTICE NET <i>(maybe)</i>	12	13	14	15
16 2M NCS NEEDED 10M NCS ANYONE 75M NCS W3RCE <i>Pennsauken Hamfest</i>	17	18 CODE PRACTICE NET at 8 PM guaranteed! <i>Greta Garbo - 1905</i>	19 DIRECTORS' MEETING at W3HFY's	20 <i>Rosh Hashanah</i>	21	22 <i>York Hamfest - day 1</i>
23 2M NCS NS3Y 10M NCS ANYONE 75M NCS AK2I <i>York Hamfest - day 2</i>	24	25 CODE PRACTICE NET at 8 PM	26	27	28 <i>Native American Day</i>	29 <i>Yom Kippur</i>
30 2M NCS NEEDED 10M NCS ANYONE 75M NCS W3HFY						